

SYSTEM AND METHOD FOR MAINTAINING SYNCHRONIZATION OF STATE AMONG COLLABORATING SERVERS

ABSTRACT OF THE DISCLOSURE

5 A system and method are provided for maintaining consistent server-side state across
a pool of collaborating servers with independent state repositories. When a client performs
an event on a collaborating server which affects such state on the server, it publishes
notification of the event into a queue maintained in client-side state which is shared by all of
the collaborating servers in the pool. As the client makes requests to servers within the pool,
the queue is thus included in each request. When a collaborating server needs to access its
server-side state in question, it first discerns events new to it from the queue and replicates
their effects into such server-side state. As a result, the effects of events upon server-side
state are replicated asynchronously across the servers in the pool, as the client navigates
among them.